CLRERR/CLEARERR

Purpose:

Clear error flag for file

Synopsis:

```
clrerr(fp);
clearerr(fp);
FILE *fp;                    file pointer
```

Description:

Clears the error flag for the specified file. Once set, the flag will remain set, forcing EOF returns for functions on the file, until this function is called.

FILENO

Purpose:

Return file number for file pointer

Synopsis:

```
fn = fileno(fp);
int fn;                    file number associated with file pointer
FILE *fp;                  file pointer
```

Description:

Returns the file number, used for the level 1 I/O calls, for the specified file pointer.

Returns:

fn = file number (file descriptor) for level 1 calls

Cautions:

Implemented as a macro.

STCI__D

Purpose:

Convert signed integer to decimal string

Synopsis:

```
length = stci__d(out, in, outlen);
int length;            output string length (excluding null)
char *out;             output string
int in;                input value
int outlen;            sizeof(out)
```

Description:

Converts an integer into a string of decimal digits terminated with a null byte. If the integer is negative, the output string is preceded by a -. Leading zeros are not copied to the output string.

Returns:

```
length =    number of characters placed in output string, not
            including the null terminator
```

Cautions:

If the output string is too small for the result, the returned length may be zero, or a partial string may be returned.

STCH__I

Purpose:

Convert hexadecimal string to integer

Synopsis:

```
count = stch__i(p, r);
int count;             number of characters scanned
char *p;               input string
int *r;                result integer
```

Description:

Converts a hexadecimal string into an integer. The process terminates only when a non-hex character is encountered. Valid hex characters are 0-9, A-F, and a-f.

Returns:

```
count    = 0 if input string does not begin with a hex digit
         = number of characters scanned
```

Cautions:

No check for overflow is made during the processing.